

Progressive Web Service

Progressive web apps (PWA) is a traditional web-based solution, it incorporates some peculiarities that make it resemble a native app for mobile phones and tablets. Each project is independent and the level of adaptation of the website to the app format is progressive, so a site with a PWA may be almost identical to an app or it may be a website with some advances.

PWAs can be installed on any device as if they were native, they allow you to add files to the cache and allow you to make native apps from the web using any framework. A file called manifest must be created for the web application, which will be a JSON file, which will identify the behavior within mobile or desktop devices. Likewise, a file called service worker is created, which is a script that the browser executes in the background, which means that it is executed in a different place, it can intercept and handle network requests, manage the cache to enable support offline or send push notifications to your users. The cards will be displayed as a grid in order to be responsive, CSS is used to style them. An array of cards with names and images is created in the app.js file, which will allow traversing the array and displaying its content in the HTML file. The resource Fetch retrieves data, where callback gives access to fetchEvent, respondWith() is attached to avoid a default browser response. The method caches.match(fetchEvent.request) is applied, to check if something in the cache matches fetchEvent.request.